

GABA-A receptor $\beta 3$

Cat.No. 224 403; Polyclonal rabbit antibody, 50 μ g specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 μ g specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 μ l H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) (see remarks) IP: yes ICC: 1 : 500 IHC: 1 : 500 (see remarks) IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 344 to 429 from mouse GABA-A receptor $\beta 3$ (UniProt Id: P63080)
Reactivity	Reacts with: rat (P63079), mouse (P63080). Other species not tested yet.
Specificity	Specific for GABA-A receptor $\beta 3$.
Remarks	WB: This protein aggregates after boiling, making it necessary to run SDS-PAGE with non-boiled samples. IHC: This antibody requires antigen retrieval with pepsin according to: Lorincz A & Nusser Z (2008). recommended protocol

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Gamma-aminobutyric acid type **A (GABA-A)** receptors mediate the majority of inhibitory neurotransmission in the brain. These receptor proteins are ligand gated chloride ion channels and consist of a pentameric combination of different subunits (alpha, **beta**, gamma, delta, epsilon and rho). The resulting heterogenous population of GABA-A receptor subtypes are expressed throughout the brain with specific cellular and subcellular expression patterns.

Selected General References

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